Renewable Development Solution

T E R E N ™

## The Cost of Bad Data

The costs of change orders, bad estimates, overruns and delays can be between $500,000 - $1,00,000 per project.

✖	Lack Standards & Best Practices	$	Poor Quality, Data Duplication, Project Delays
✖	Poor Flight Line Calibrations	$	Re-flight Expense, Terrain Variance
✖	Inaccurate Point Cloud Classification	$	Inconsistent Volumetrics, Extra Engineering Hours
✖	Insufficient Ground Controls	$	Incorrect Cut/Fill Estimates, Re-flights
✖	Lack of Quality Check & Assurance	$	Material Waste, Delays, Bad Cost Estimates

TEREN IS YOUR PARTNER FOR THE PROJECT LIFECYCLE

Teren's streamlined acquisition and platform approach allows developers to extract more value from critical data at multiple stages of the project lifecycle – reducing change orders, decreasing budget overages and waste, and keeping projects on schedule.

Setting the Standard for Remotely-Sensed Data
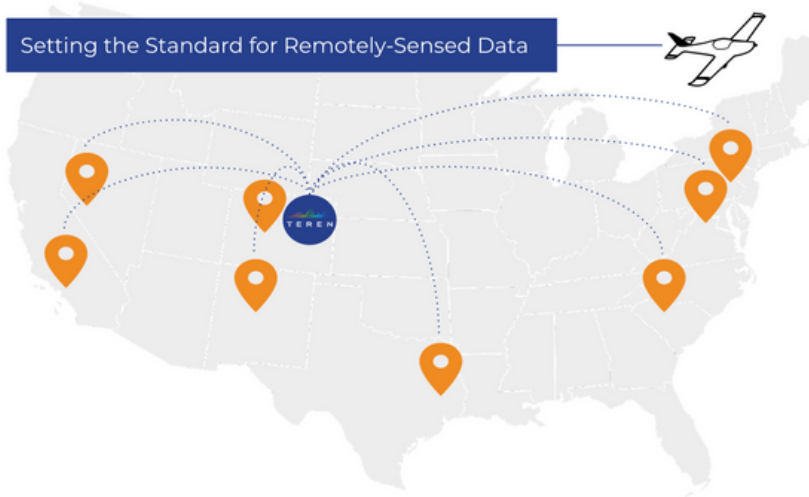
- ✓ Strong Network of Aviation Partners
- ✓ High Volume of Projects Drives Down Costs
- ✓ Expert Guidance for Project Specs
- ✓ Quality Controls & Assurance
- ✓ Fast Delivery to Ensure Relevance

SITE SELECTION	DESIGN & PLANNING	PRE CONSTRUCTION	AS-BUILT	OPERATIONS
• Early Stage Site Evaluation • Acquisition Documentation • Retain Data in the Cloud	• ALTA • Cut/Fill Analysis • Accurate Earthworks Quantities	• Stormwater Planning • Tree Clearing • Shading Analysis	• Verification of Specs	• Weather & Environmental Monitoring • Change Detection

Teren partners with developers to standardize the data acquisition, processing, storage, and analysis of remotely-sensed data and imagery for your projects -- saving significant money.

STREAMLINED ACQUISITION

From flight plans, point density specs, imagery resolution, and ground control, Teren is setting the standard for remotely-sensed data for development.

Teren has a broad network of companies we work with throughout North America that we frequently task for data collection services. Due to our volume of projects, we are positioned to negotiate the most favorable rates for data acquisition. Additionally, we ensure you receive a quality data input with our robust QA/QC standards for reviewing raw data.

POWERFUL PROCESSING AT SPEED & SCALE

Unleash the power of the cloud with Teren's unrivaled speed, consistent calibration and high-accuracy data to reduce downstream variability when designing and estimating project costs.

Teren is the first cloud-native LiDAR processing which allows us to process large LiDAR datasets quickly, efficiently, and cost-effectively, while also providing robust security measures. To illustrate, **Teren processed 500,000 acres in 48 hours for a reclamation project in late 2022.**

Teren has standardized algorithms used to classify point clouds and extract features from these datasets. Teren's approach ensures consistency, accuracy, and objectivity for use cases such as cut/fill volume estimations, clearing estimates, stormwater, H&H modeling, and more.
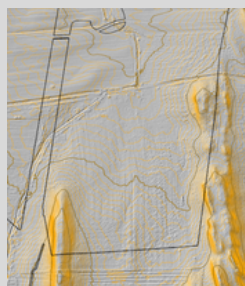
CLOUD STORAGE & ACCESSIBILITY

Teren provides a single source of truth to reliably monitor the project site and developing assets.

Teren indexes and stores data in a consistent manner that enables you to access and leverage data throughout the lifecycle of the asset. With data accessible to the enterprise, you can measure change through time, track project performance, and monitor asset resilience.
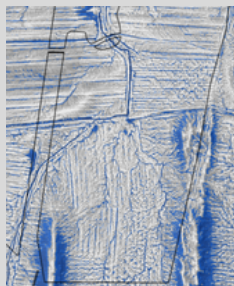
EXPERT & AI-ENHANCED ANALYTICS

Teren's analytic solutions are designed to provide developers and asset owners with better intelligence about their projects. They have been proven to reduce field labor costs, improve project cost estimating, and significantly reduce future impacts to the site.
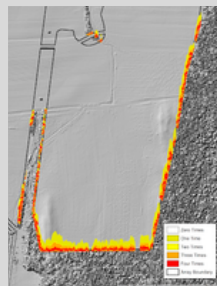
TERRAIN

HYDROLOGY

SHADING

CLEARING